Imperium Remote Control
User Guide

Due to constant and unanticipated advances in technology,
Tash cannot guarantee all electronic appliances can be trained for the Imperium 200H.

If you are considering purchasing a new electronic appliance,
please take your existing Imperium, IR remote to the electronics store to test it.

Please see page 36 for more information.

➢ TV / VCR Combo - Program remote using the VCR device code.

➢ *089: Power = Power off
Enter = Power on + Recall

THE FOLLOWING REPLACES & REVISES THE "IR FUNCTIONS" SECTION OF THE IMPERIUM 200H USER MANUAL (PGS. 18-22)

IR Functions

When the unit scans to "ir" (remote control) on the Home Menu, press (>) for the submenu functions to use the Imperium Infrared Remote Control (see Figure 1). These submenus control the TV, VCR, SATELLITE/CABLE, DVD, RADIO AND CD. Press (>) to select the control menu for the desired device.

Note: *Each TV, VCR, SATELLITE/CABLE BOX, DVD, RADIO, and CD should have been programmed on the Imperium Remote Control during system setup (see "Installing the System," No. 10 on page 8 of User Manual). If the Imperum Remote Control is not connected properly or the batteries are dead, the display will read "No Contoller" and the unit will say "Check cable."*

The Imperium Remote Control has been designed to operate most all electronic devices. Certain devices occasionally cannot be fully controlled because of manufacturing uniqueness.

TV Control

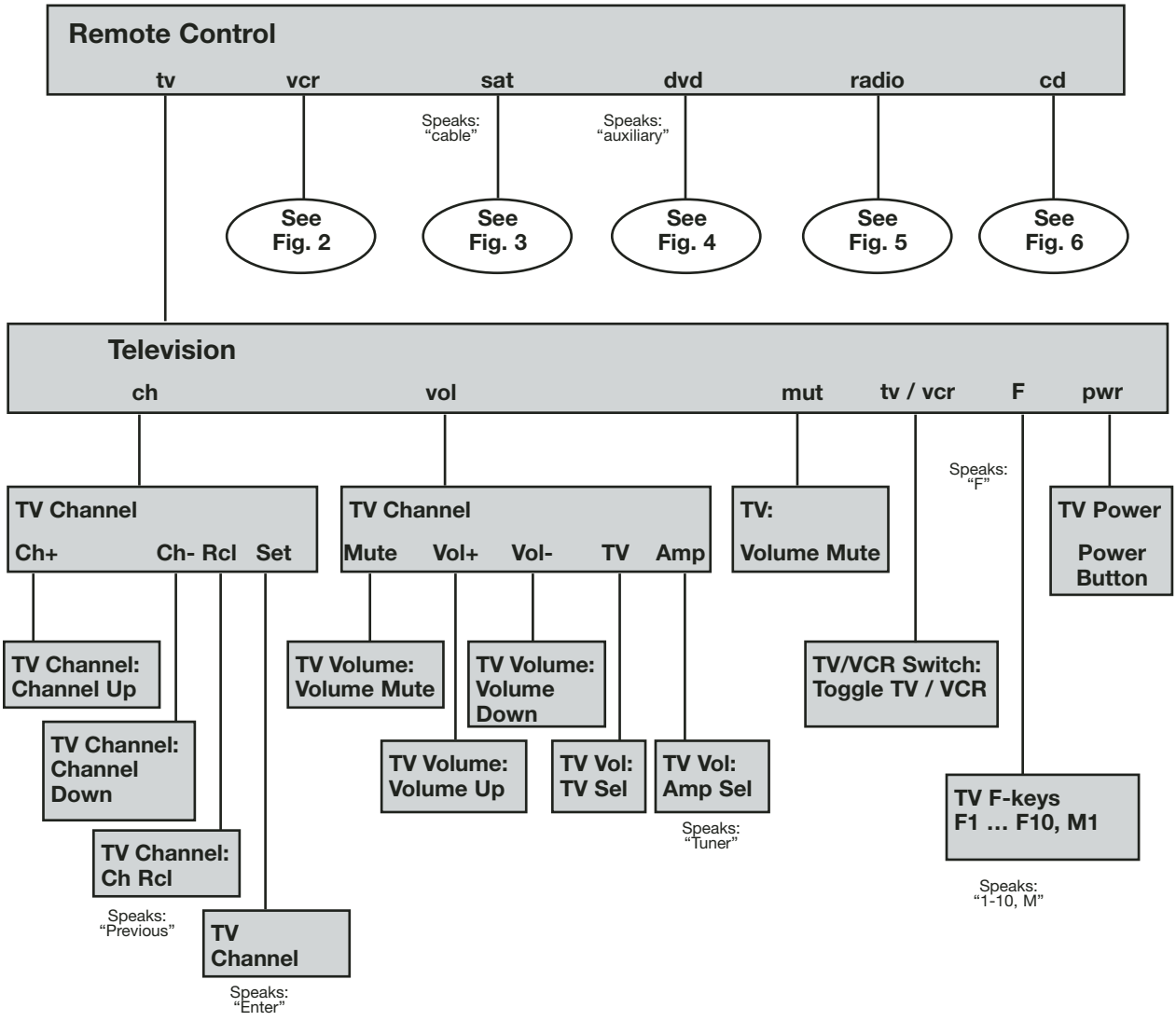

Figure 1. Flowchart of the TV Menu

TV Function - When the "tv" function is selected in the IR Menu, "ch," "vol," "mute," "tv/vcr," "F," and "pwr" are displayed. (See Figure 1.)

1. Press (>) to begin scanning. Press (>) again to select the desired function.
2. Select "ch" to step the channel up or down or to enter a channel number.

VCR Control

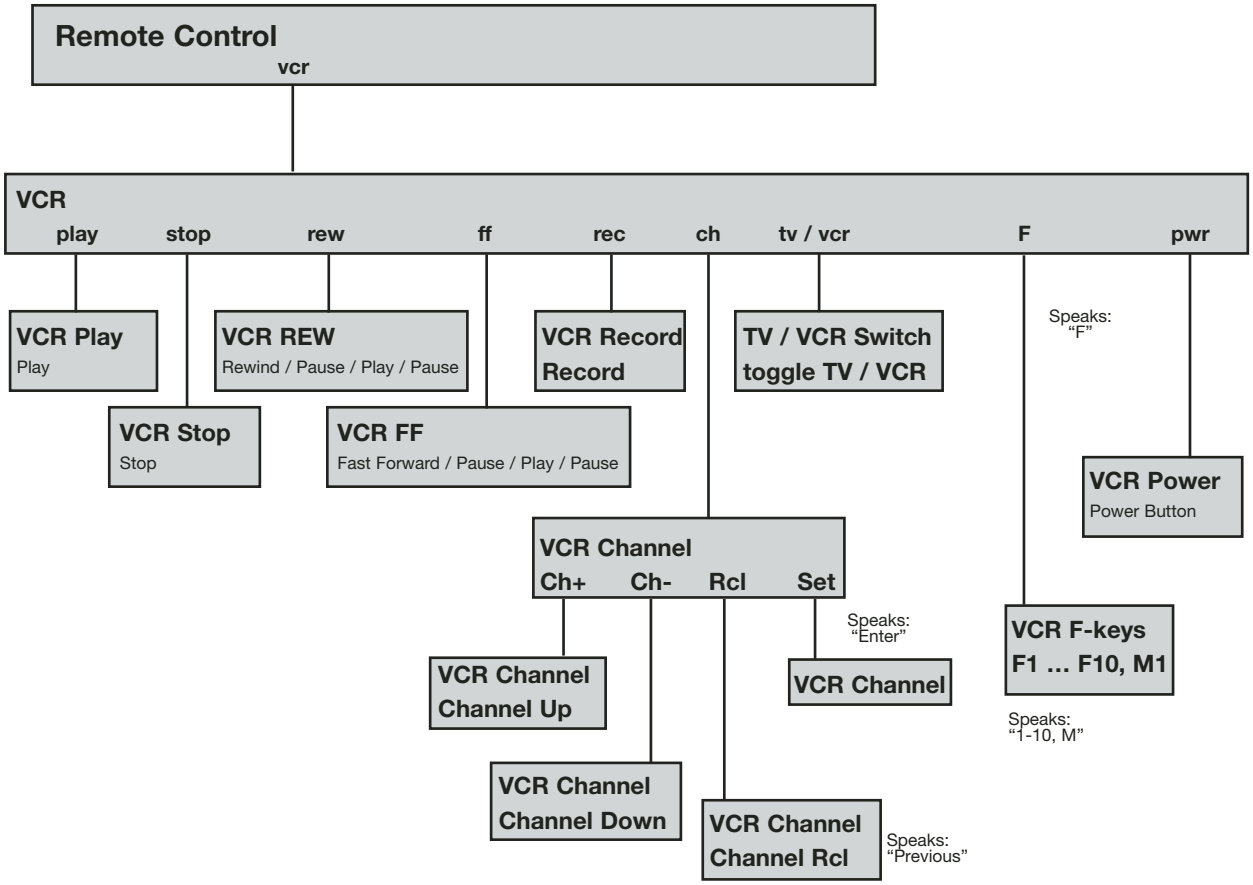

Figure 2. Flowchart of the VCR Menu

VCR Function - When "vcr" is selected from the IR Menu, "play," "stop," "rew," "ff," "rec," "ch," "tv/vcr," "F," and "pwr" are displayed. (See Figure 2.)

1. Press (>) to begin scanning. Press (>) again to select the desired function
2. Select "play" to play or stop the VCR.
3. Select "stop" to stop the VCR.
4. Select "rew" to rewind, stop or play the VCR.
5. Select "ff" to fast forward, stop or play the VCR.
6. Select "rec" to record with the VCR.
7. Select "ch" to enter a specific channel or to step the channel number up and down.
8. Select "tv/vcr" to toggle between the TV and VCR sources.

Non Dish Net Satellite / Control

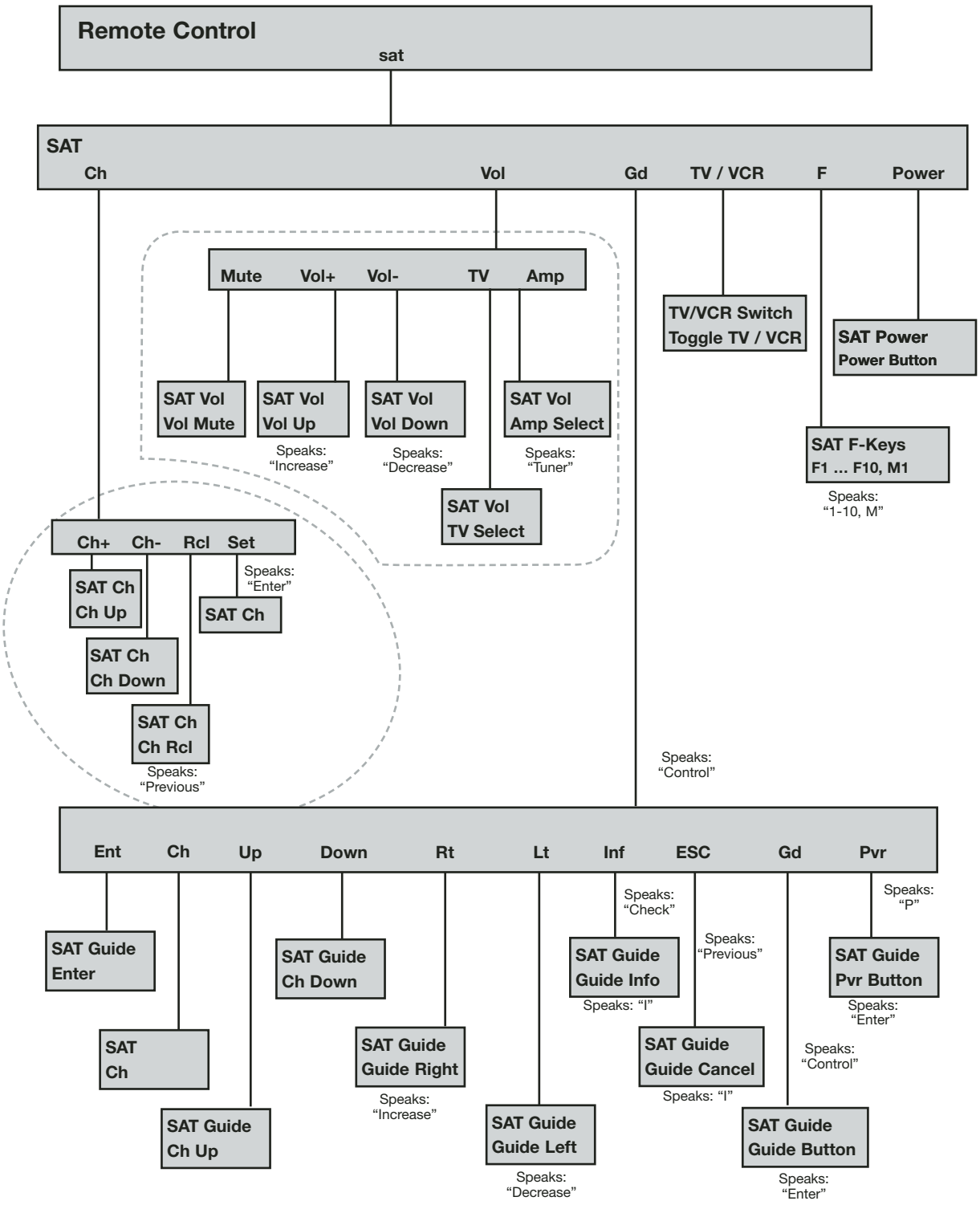

Figure 3. Flowchart of the Cable Box (Non Dish Net Satellite / Control) Menu

Cable Box Function - When “cable” is selected from the IR Menu, “ch,” “vol,” “mute,” “tv/vcr,” and “pwr” are displayed. (See Figure 3.)

1. Press (>) to begin scanning. Press (>) again to select the desired function.
2. Select “ch” to either set a channel number or top step the channel number up or down.
3. Select “vol” to increase or decrease the volume.
4. Select “mute” to turn the sound on or off.
5. Select “tv/vcr” toggle between TV and VCR sources.
6. Select “F” to access programmable functions.
7. Select “pwr” to turn the cable box on or off.

Dish Net Satellite / Cable Box Control

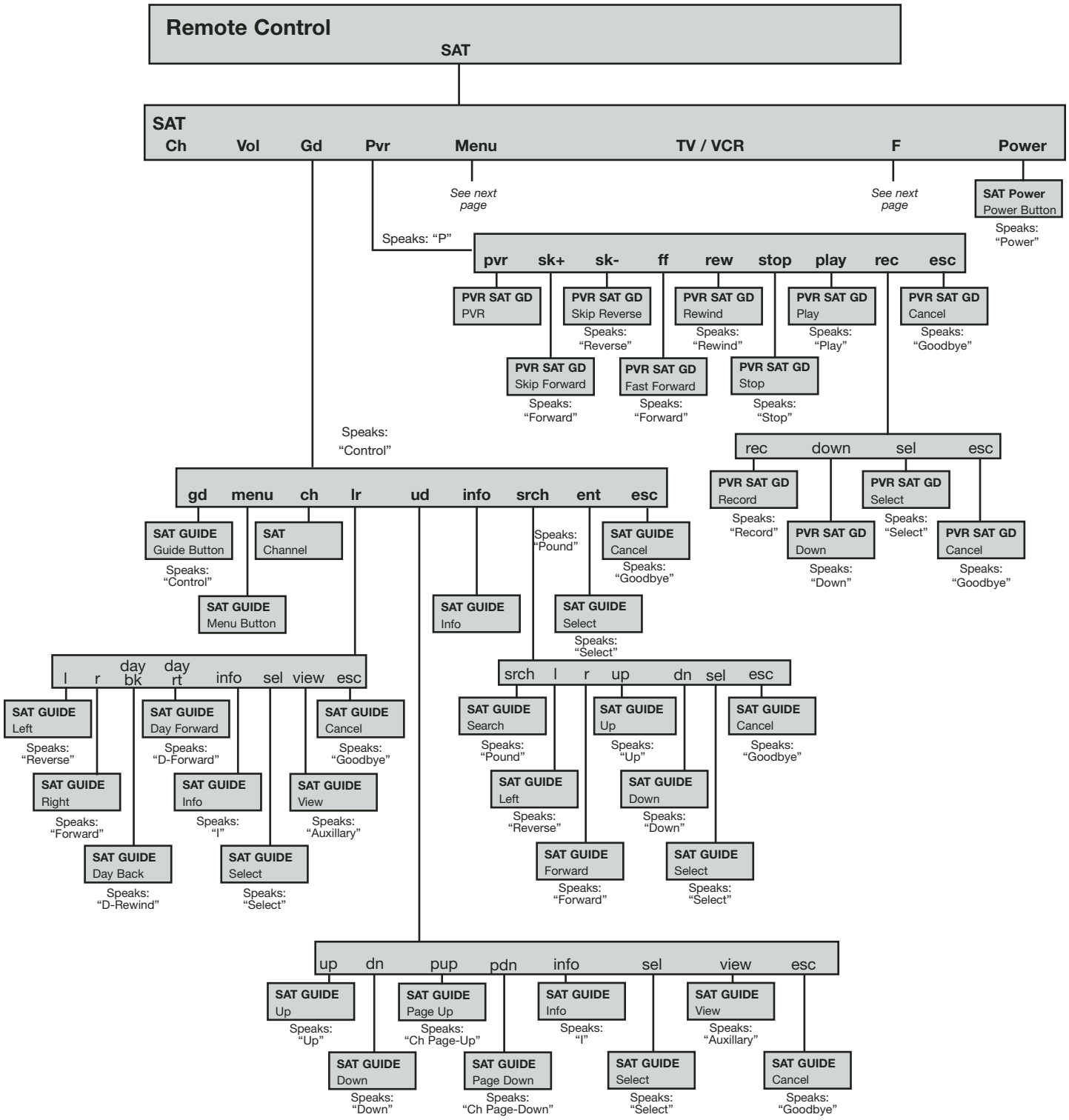

Figure 4. Flowchart of the Cable Box (Dish Net Satellite / Cable Box) Menu

Continued on Next Page

Dish Net Satellite / Cable Box Control *(continued)*

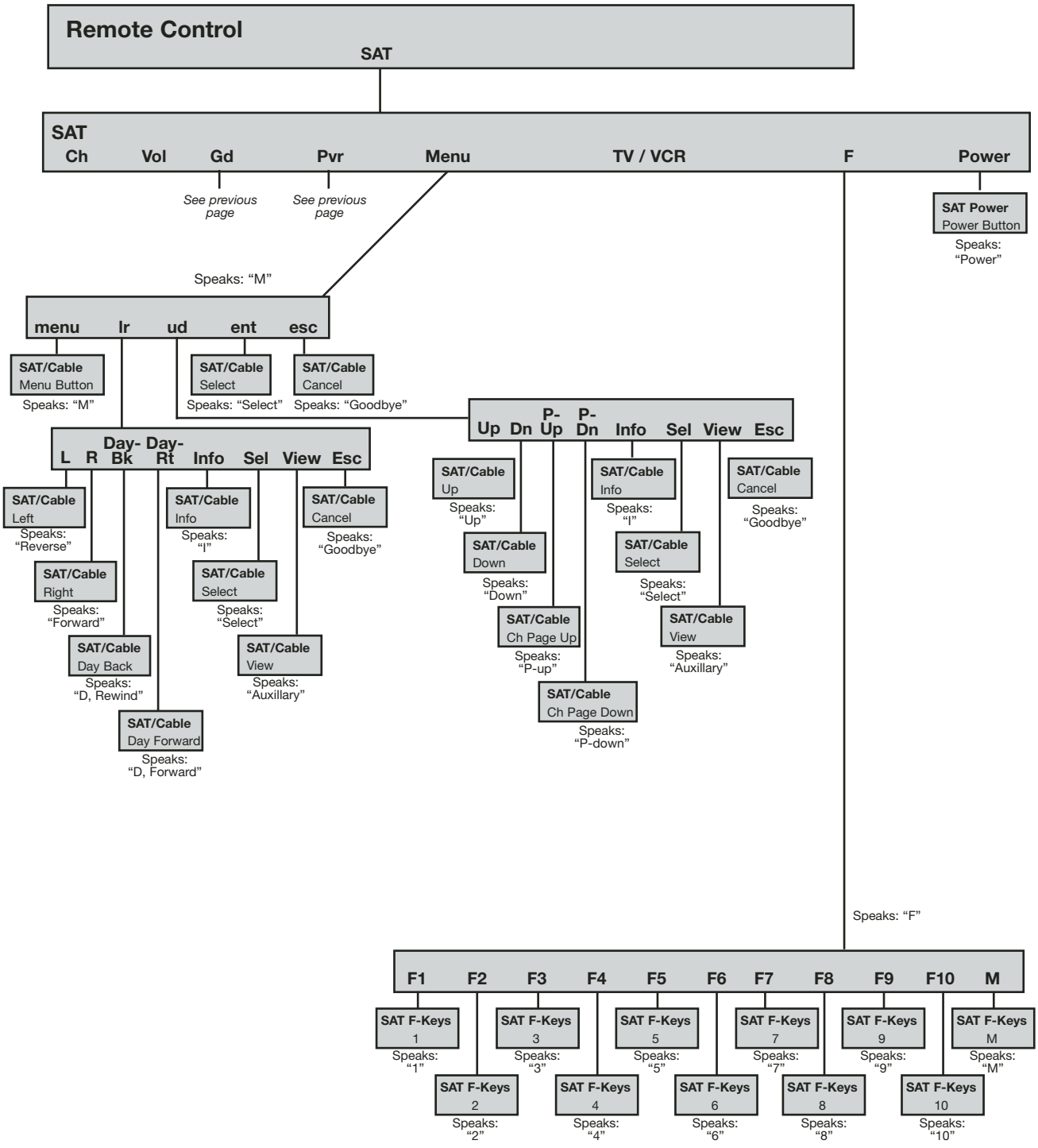

Figure 4. Flowchart of the Cable Box (Dish Net Satellite / Cable Box) Menu *Continued*

DVD Control Dish Net Satellite / Cable Box Control

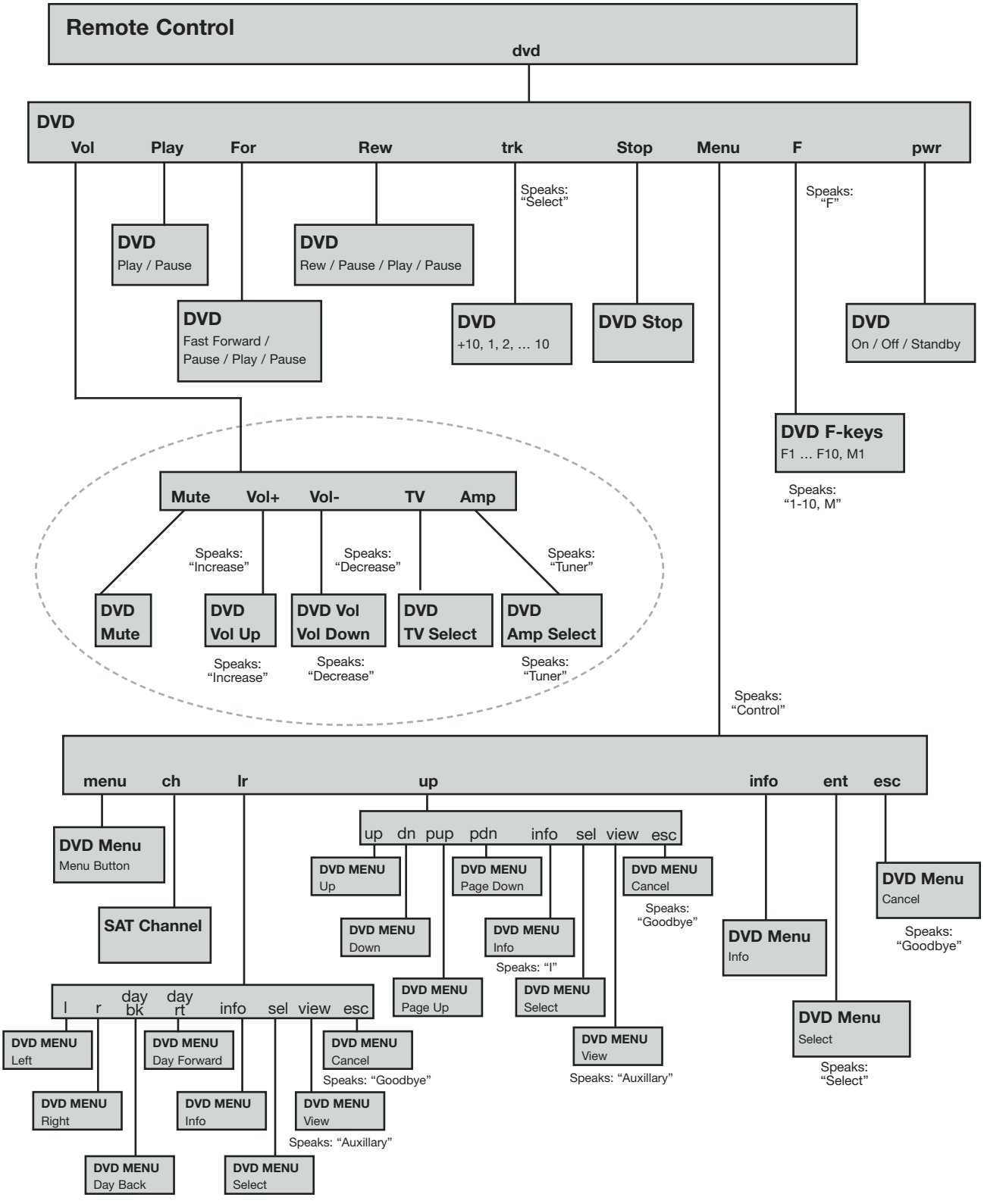

Figure 5. Flowchart of the DVD Menu

DVD Control Non Dish Net Satellite Control

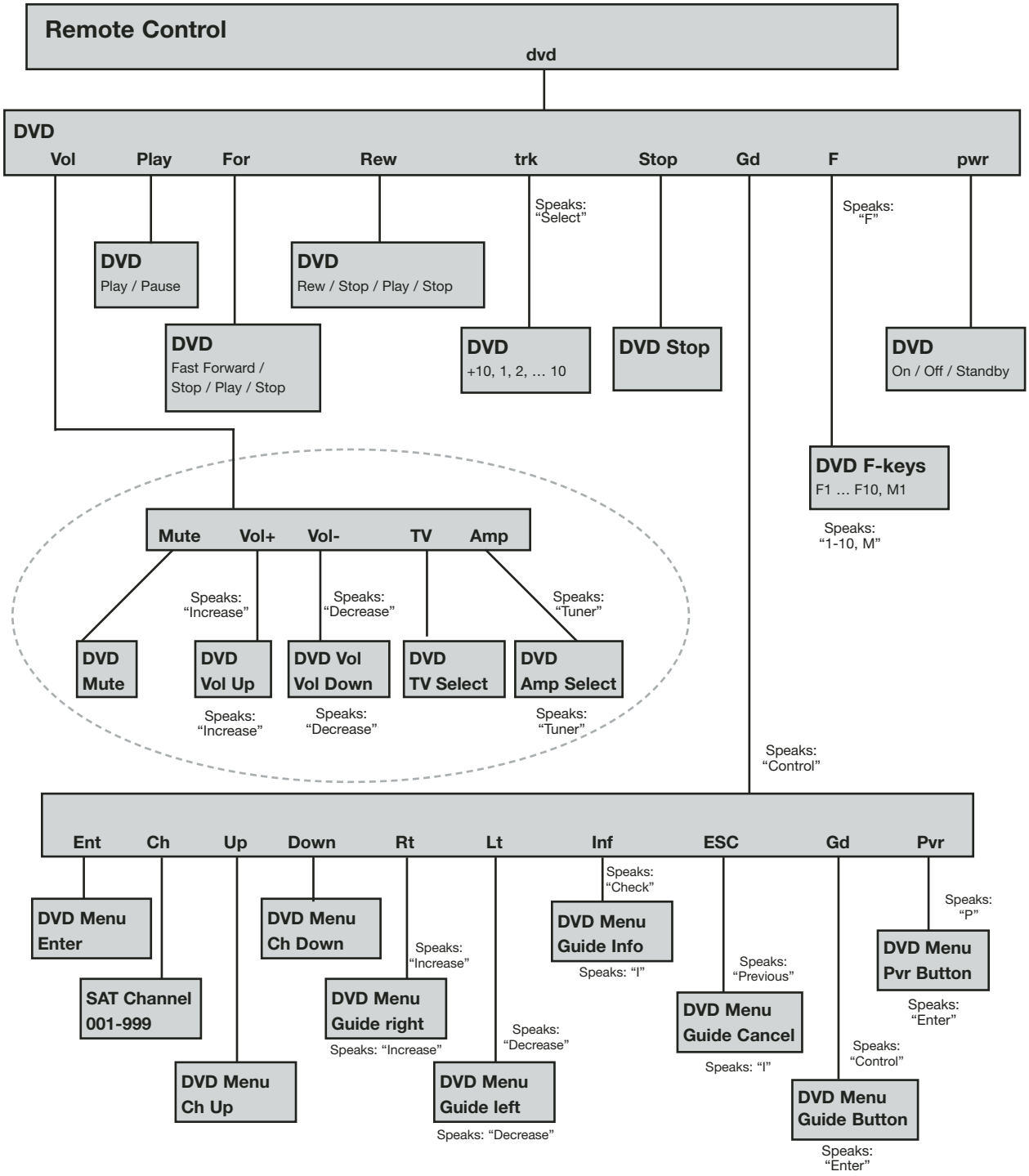

Figure 6. Flowchart of the DVD (Non Dish Net Satellite Control) Menu

DVD Function - When “DVD” is selected from the IR Menu, “vol,” “play,” “for,” “rew,” “trk,” “stop,” “Gd,” “F,” and “pwr” are displayed. (See Figure 5 and 6.)

1. Press (>) to begin scanning. Press (>) again to select the desired function.
2. Select “vol” to increase, decrease or mute the DVD volume.
3. Select “play” to play or pause the player.
4. Select “for” to move forward from the current track.
5. Select “rew” to select a previous track.
6. Select “trk” to enter a specific track number.
7. Select “stop” to stop the player.
8. Select “Gd” to select guide.
9. Select “F” to access programmable functions.
10. Select “pwr” to turn the DVD player on or off.

Dish Net Satellite Cable Box Control Device Code 376

DISH Net (Device code 376)	
Scan Code	Remote Key Name
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	VIEW
11	SELECT
12	RIGHT
13	LEFT
14	UP
15	DOWN
16	BACK(REW)
17	PLAY
18	RWD(FF)
19	REC
20	STOP
21	PAUSE
22	POWER
23	RECALL
24	TV/VIDEO
25	MENU
26	GUIDE
27	INFO
28	CANCEL
29	SKIP_BACK_10_SEC
30	SKIP_FWD_#)_SEC
31	*
32	#
33	PAGE_UP
34	PAGE_DOWN
35	PVR
36	SAT

Dish Net Satellite Motorola Digital Cable 377

Non Dish Net Motorola Digital Cable (377)	
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10 (Enter)	Enter
11 (Mute)	Mute
12 (Vol+)	Vol +
13 (Vol-)	Vol -
14 (Ch+)	Ch+
15 (Ch-)	Ch-
16 (Rew)	Left
17 (Play)	Up
18 (FF)	Right
19 (Rec)	Rec
20 (Stop)	Stop
21 (Pause)	Down
22 (Power)	Power
23 (RCL)	Last
24 (TV/VCR)	TV/VCR
25 (F1)	Fav
26 (F2)	Lock
27 (F3)	Exit
28 (F4)	Info
29 (F5)	Guide
30 (F6)	Menu
31 (F7)	Page_up
32 (F8)	Page_dn
33 (F9)	Day_back
34 (F10)	Day_forward
35 (M1)	Help

Amplifier / Radio Control

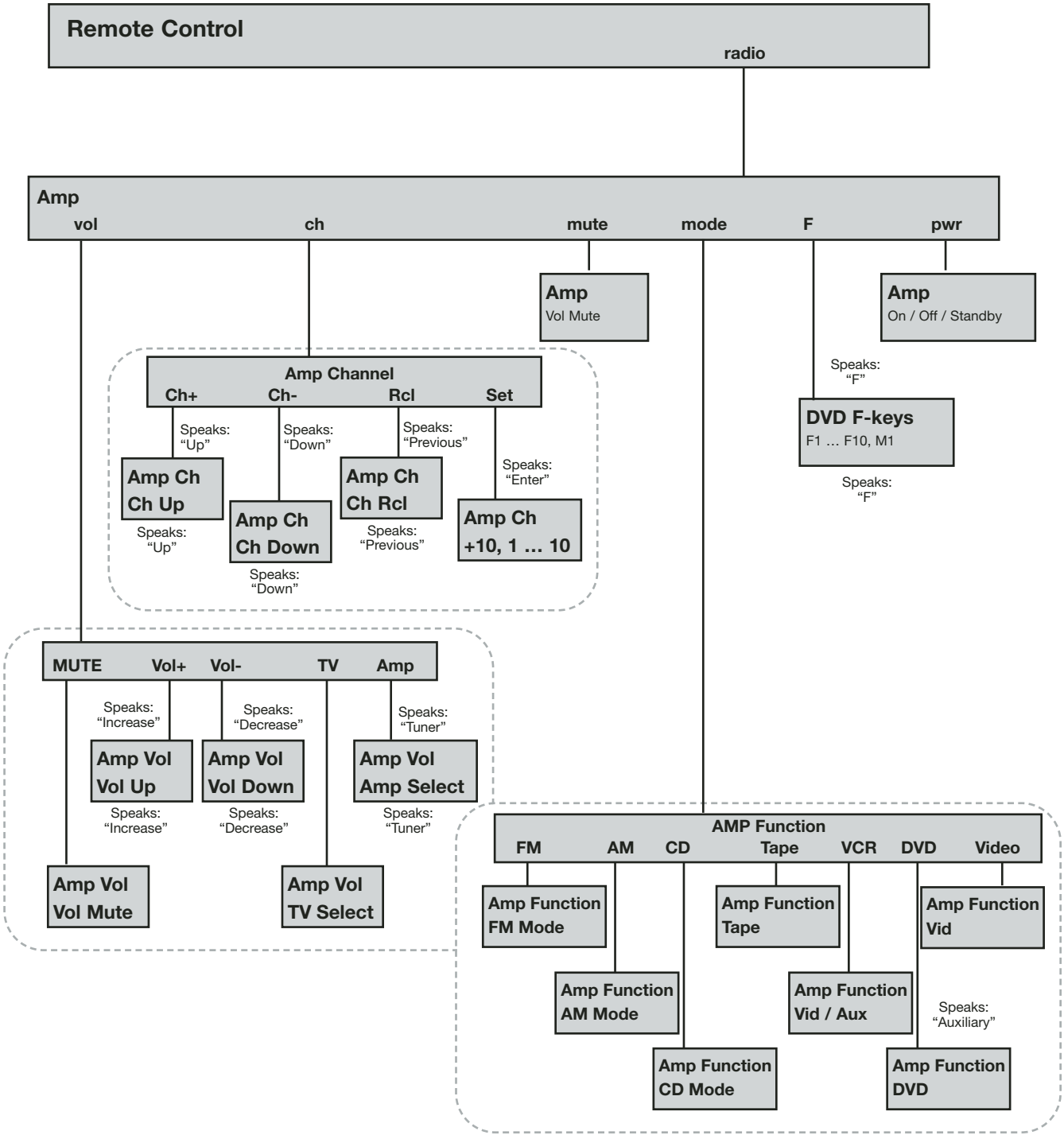

Figure 7. Flowchart of the Radio Menu

CD Player Control

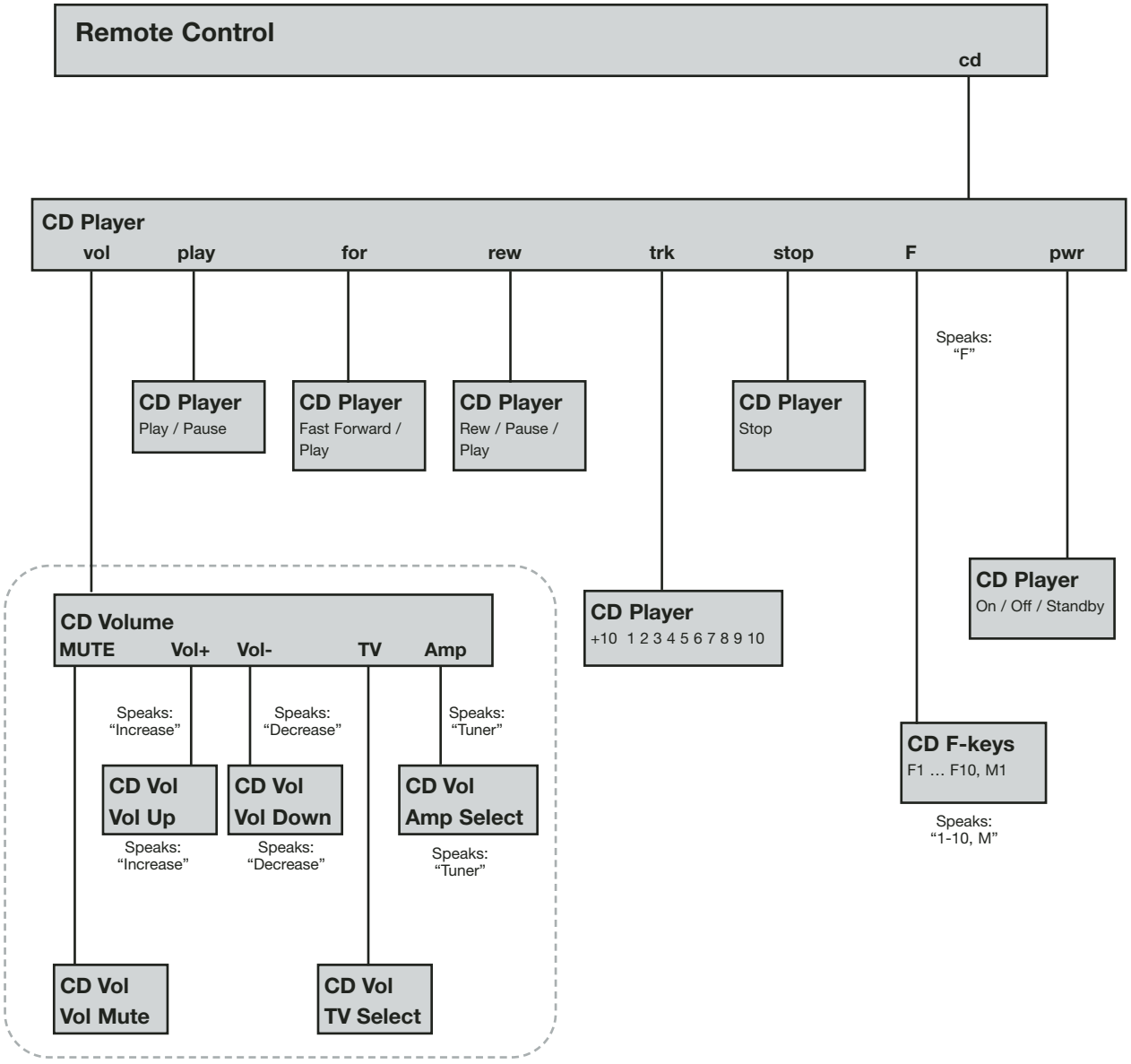

Figure 8. Flowchart of the CD Menu

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Service 1-800-944-8002 Sales 1-800-463-5685
www.tashinc.com tashinc@aol.com

Imperium Infrared Remote Control Operation

DESCRIPTION

The Imperium Infrared Remote Control combines the convenience of a conventional universal remote control with the power and expandabiity of a "learning" remote control.

The remote control codes for most popular TVs, VCRs, Cable Boxes, DSS receivers and DVD players are pre-programmed into the Imperium Remote Control. In the event that your particular entertainment device is not directly supported, or if your remote control has additional buttons not already provided on the remote control, you can individually train these buttons into the Imperium remote control from your device's existing remote control.

(NOTE: This document refers only to the Imperium Infrared Remote Control. Users of the One-For-All Six Infrared Remote Control originally included with the Imperium 200H system should refer to the separate user manual and code book for that remote control.)

DEVICE BUTTONS

TV VCR SAT DVD CD AMP These buttons are used to select the device to control. For example, the [SAT] button switches the remote to satellite mode and the remote control functions then control the satellite box. Pressing TV switches the remote to TV mode.

Some controls may function even when their normal device is not selected (punch-through mode). For example, when in cable box mode, the volume controls may still work with the television, and the VCR controls may still control the VCR. The availability of this feature depends upon what type of TV, VCR, and cable box you are using.

Power This button is used to turn the TV, VCR, or cable box on or off.

CH+ CH- Channel Up / Channel Down

VOL+ VOL- Raise or lower the volume.

PLAY FF REW PAUSE STOP REC VCR Play, Fast Forward, Rewind, Pause, and Stop operate as conventional VCR controls, but REC must be pressed twice to start recording.

TV/VCR Toggles between TV and VCR functions.

MUTE This button turns muting on and off.

Numeric Pad: The numbers on this pad control channel settings on TVs, VCRs, satellite and cable boxes. May also be used to learn other functions if desired (see "Learning Codes. Page 5.")

ENTER Some TVs require ENTER be pressed when changing channels with the numeric pad.

RCL Returns to the previous channel selected on TVs which support this function.

Learn Used for learning infrared (IR) signals from other remote controls. See "Learning Codes. Page 5."

The SELECT button is used for programming the remote to work with your specific TV, VCR, and cable box. Programming the remote is described later in this manual.

The F1 … F10 and M1 buttons may be used to Learn additional functions for your entertainment device. See "Learning Codes. Page 5."

PROGRAMMING GUIDE

Use this guide to select remote control codes from the internal "library." These codes are listed in the "Device Codes" section beginning on page 9.

QUICK PROGRAMMING GUIDE

Press the device button for the device you wish to program (1 flash)	TV , VCR etc. ☼
Press the Select button (2 flashes)	SELECT ☼☼
Input the corresponding code from the code list. (Flashes once for each digit pressed)	1 ☼ 2 ☼ 3 ☼

When you have entered the correct code, press SELECT. (3 flashes)	SELECT ☼☼☼
Repeat steps 1-4 for each device (TV, VCR, etc.)	

DETAILED PROGRAMMING GUIDE

To program a device:

1. Select the device you wish to program by pressing the device key (TV, VCR, Cable). For instance to program the VCR, press the VCR device button. The light on the remote will flash once.

2. Press the SELECT button. The light will flash twice.

3. Find the correct code from the "Device Code" list that follows (page 9). If a brand has more than one code, the first codes in the list are the latest models.

4. Enter the correct code on the number pad. The light will flash once for each key pressed.

5. Press the SELECT button again to lock in the code. The light should flash 3 times, and programming is finished.

> For example, to program a Sony TV:
>
> First, find the Sony codes in the code list.
>
> Then, try the first (latest model) code. Press:
>
> TV SELECT 3 7 3 SELECT

When finished, try to operate the TV with the remote. If the remote works with the TV, the programming for the TV is finished. If the remote does not work, try the next code: 170, and so-on, until the correct code is found. If you cannot find the correct code, refer to the Auto Search feature.

LEARNING CODES FROM EXISTING REMOTE CONTROLS

LEARNING CODES

If the Imperium Remote Control does not already have the proper device code for your entertainment device, you may "learn" an individual function\button from the existing remote control. Similarly, if the Imperium Remote Control *does* control your device, but the original

remote has additional functions not available on the Imperium remote, you may use the Learning feature to add these individual functions to the F1 – F10 and M1 keys.

NOTE: When training individual functions into the Imperium IR F-keys, you must now follow the F-key menu to control the additional functions.

1. Press the device button (TV VCR SAT , etc.) for which you wish to store the learned codes. (1 flash)

> *Make sure you press the proper device button before you proceed to the next step, so that you do not overwrite existing codes that you wish to retain.*

2. Press the LEARN button. The LED will now illuminate orange.

3. Now press the button on which you wish to store the learned data. The LED will now change to red.

4. Next, point your hand-held remote at the red lens on the front of the Imperium remote control. Now, press the desired function on your remote. In general, best results are obtained when the remote controls are 1'' – 3'' apart. When the code is successfully learned, the LED will go out. *If the LED flashes green twice, there was an error and the process needs to be repeated*.

Repeat steps 2-4 to learn addition buttons for the current source.

Note: Some OEM remote controls have multiple infrared emitters. It is important to have a direct line between the infrared emitter on the OEM remote and the IR input sensor on the Imperium remote control.

ERASING LEARNED BUTTONS

Learned functions are associated with the selected source (TV, VCR etc.) not the device number. To erase learned functions for a specific device (TV, VCR etc.):

1. Select the device you wish to reprogram with a device key (TV, VCR, Cable). For instance to erase the learned buttons associated with the VCR, press the VCR device button. The light on the remote will flash once.
2. Press the SELECT button. The light will flash twice.
3. Select a device code from the code list and enter the code on the number pad. The light will flash once for each key pressed.

4. Press the SELECT button again to lock in the code. The light should flash 3 times. The VCR function will now operate per the selected device code without any learned buttons. Individual buttons cannot be erased.

SPECIAL FEATURES

The Imperium Remote Control has a number of special features:

Punch Through

Punch Through allows TVs, VCRs, and cable box controls to work at the same time. For example, after you press the SAT or VCR button, the volume controls would still work with the television. Other functions may also work this way. *Availability of this feature varies depending on the type of TV, VCR, and cable box you are using.*

Read Back Programmed Code

The remote control can read back the codes selected for TV, VCR, and cable box so you can write them down for future reference. To do this:

1. Press the device key for which you want the code read back. For example, if you want to get the code for your TV, press the TV key.
2. Press SELECT. The light should flash twice.
3. Press 1 and then SELECT. The light will flash the number of the first digit of the code. For instance, if the TV's code is 567, the light will flash five times. If a digit of the code is zero, the light will not flash.
4. Repeat steps 2 & 3 to get the second and third digits of the TV code, by pressing 2 and SELECT for the second digit (for code "567," the light flashes six times) and 3 and SELECT for the third digit (light flashes seven times). This procedure can then be repeated for the VCR and cable box.

Substitute Devices

You may "substitute" devices with your remote control. For example, if you have two televisions, you may program the second television on another device button such as DVD. All of the device buttons (TV, VCR, SAT, DVD, CD, AMP) can be programmed as a TV, VCR, or cable box, etc. Note, however, that a second TV that is programmed to a different Imperium 200H menu device (i.e., DVD) may/will have device functions which do not exactly align with the menu. To program a TV on the DVD device button:

1. Press [DVD] and then [SELECT]. The light will flash twice.

2. Instead of entering a DVD code, enter the TV code for the desired TV. The light will flash once for each digit.

3. Press [SELECT] and the light will flash 3 times. Now the DVD button will act as a second TV. This works with all six devices, so it is possible to program up to six TV's, VCR's, etc. For example, to program a Sony TV in the Satellite box button, press:

[SAT] [SELECT] [3] [7] [3] [SELECT]

Now the SAT button will act as a Sony TV.

Search For Correct Code

If you cannot locate a device code in the manual, and do not wish to "Learn" the code, you can try cycling through the internal device code libraries to find the correct code for a TV, VCR etc. It may exist.

Manually turn on the device.	
Press the device key for the device code you want to search for. For example, to search for a TV code, press [TV] once. (1 Flash)	[TV] [VCR] [SAT], etc. ☼
Press the [SELECT] button once. (2 Flashes)	[SELECT] ☼☼
Press [0] [0] [0] (Flashes once for each digit pressed)	[0] ☼ [0] ☼ [0] ☼
Press the [SELECT] to change to the next device code. Every time [SELECT] is pressed, the device code will increment.	[SELECT] ☼☼☼
Press the device key again to lock in the discovered code.	[TV] or [VCR] or [C/SAT] ☼

Note: Some devices, such as cable boxes, may not support power buttons on the remote. In this case, you can substitute [CH+] or any other supported button to test the code.

DEVICE CODE LIBRARY

Following is a list of device codes to be used when programming the Imperium Remote Control. Note that the first codes for an appliance brand are the latest models, and the later codes are older models. You may have to try some or all of the codes for each brand before you find a usable one.

TV Device Codes	
TV Manufacturer	**TV Device Code**
Admiral	133, 142, 025, 049, 078
Akai	071
Amark	263
Anam	049, 047
Anam National	138, 154
AOC	135, 146, 015, 014
Archer	263
Audiovox	263
Bell and Howell	078
Brooksonic	338
Candle	139, 014, 013, 023
Capehart	135
Carver	128
Centurion	001
Citizen	132, 014, 046, 013, 139, 048, 023
Concerto	139
Contec / Cony	163, 152, 049
Coronado	130, 132
Craig	154, 049
Crown	132
CTX	111
Curtis Mathes	132, 014, 046
CXC	049
Daewoo	309, 308, 306, 132, 015, 048, 067
Daytron	132
Emerson	338, 307, 171, 172, 160, 163, 152,132, 001, 025, 024, 010, 049
Envision	014
Fisher	153, 018
Fortress	142
Fujitsu	025
Funai	331, 049, 025
Futuretech	049

GE	179, 172, 159, 137, 134, 138, 133, 011, 012, 038, 001
GE Combo	179
Goldstar	132, 139, 122, 083, 015, 001
Goldstar TV/VCR Combo	029
Griswold	169, 069
Hallmark	001
Hitachi	358, 176, 158, 150, 132, 131, 139, 054, 098, 008, 016,
Infinity	128
JBL	128
J.C. Penney	145, 148,133, 132, 011, 124, 015, 014, 046
JVC	359, 273, 136, 157
Kenwood	014
Kloss	013
Kloss Novabeam	126
KMC	083
KTV	171, 163, 132, 049
Linatech	169, 069
Lodgenet	079
Logik	078
Luxman	139
LXI	133, 128, 018, 081, 019
LXI Combo	205
Magnatron	111
Magnavox	164, 126, 125, 127, 143, 128, 014, 023
Marantz	014, 128
Memorex	337, 018, 078
MGA	177, 151, 149, 014, 015, 001
Mitsubishi	151, 149, 071, 015, 001, 038, 002
MTC	139, 015, 014, 046, 067
Multitech	168
NAD	081, 060
NEC	139, 014, 015, 021
Onwa	049
Optimus TV/VCR	130, 132, 029, 018, 020, 049
Optonica	142, 020
Panasonic	374, 262, 209, 210, 211, 212, 259, 176, 207, 208, 206, 134, 138, 155, 128
Philco	164, 128, 015, 014, 125, 126, 127, 023
Philips	128, 038
Pioneer	060, 131
Portland	132, 015
Proscan	133, 145, 015, 124, 137, 131, 159, 169, 332
Proton	129, 132, 001, 135

Pulsar	079
Quasar	262, 209, 210, 211, 212, 259, 176, 207, 208, 206, 134, 138
Radio Shack	139, 132, 020, 049, 130
Radio Shack TV/VCR Combo	029
RCA	324, 326, 133, 145, 015, 124, 137, 131, 159, 169
Realistic	018
Realistic TV/VCR Combo	029
Sampo	014, 135, 144
Samsung	330, 046, 130, 139, 015, 014, 132
Samsung Combo	330, 050
Sanyo	018, 153, 147
Scott	049, 025, 132, 010
Sears	153, 128, 147, 133, 139, 019, 148, 081, 018, 001, 025
Sharp	020, 132, 017, 142
Signature 2000	078
Sony	373, 170, 141, 123, 039, 038
Soundesign	049, 001, 023
Spectracon	146
SSS	015, 049
Supre-Macy	013
Sylvania	360, 164, 128, 014, 126, 125, 127, 140, 023
Symphonic	331, 049, 025
Tandy	213, 142
Tatung	138
Technics	134
Techwood	139
Teknika	139, 132, 046, 078, 015, 013, 048, 149, 025, 049, 023
Tera	129
Thomson	166, 167
TMK	139, 001
Toshiba	357, 148, 081, 018, 046
Tosonic	163
Totevision	132
Universal	011, 012
Vector Research	014
Victor	136
Video Concepts	071
Vidtech	015, 001
Viking	013
Montgomery Ward	011, 012, 128, 078, 015, 125, 127, 137, 014, 143, 020, 159, 001, 164, 165
Wards	025

Yamaha	015, 014
York	001
Zenith	369, 370, 371, 372, 079, 078
Zenith Combo	029
Zonda	263, 029

VCR Device Codes	
VCR Manufacturer	**VCR Device Code**
Admiral	189, 191, 080, 178, 179
Aiwa	333, 341, 343, 315, 316, 226, 204
Akai	342, 072, 052, 051, 022, 073
Audio Dynamics	192
Bell and Howell	080
Brooksonic	340, 338, 191, 195, 189, 026
Canon	176, 187, 059
Carver	185
Citizen	026
Consonic	111
Craig	050, 035, 061
Curtis Mathes	176
Daewoo	308, 199, 175, 002
Daytron	175
DBX	192
Dynatech	204
Emerson	338, 278, 307, 191, 189, 009, 204, 057, 053, 029, 073, 183, 032, 026, 195
Fisher	055, 035, 031, 028
Funai	204
GE	368, 317, 318, 320, 321, 322, 192, 176, 179, 181
Go Video	050, 197, 200
Goldstar	029, 174, 027
Harman Kardon	265, 027
Hitachi	358, 201, 176, 036, 075, 069, 204, 072, 181, 037
Instant Replay	218, 176
J.C. Penney	036, 176, 050, 027, 033
JCL	176
Jensen	072
JVC	334, 359, 072, 182, 193, 084, 194
Kenwood	182, 034, 072
Lloyd	204
Logik	030
LXI	029
LXI Combo	205

Magnavox	176, 185, 190, 188
Marantz	176, 027, 185
Marta	029
MEI	176
Memorex	341, 176, 029, 178, 204, 080, 035, 055
MGA	177, 176, 073
Minolta	069, 036
Mitsubishi	265, 266, 176, 177, 073
MTC	204, 050
Multitech	204, 030
NAD	058
NEC	267, 027, 033, 072, 182, 074
Optonica	178
Optimus TV/VCR Combo	262, 029, 050, 178, 204, 176, 034, 035, 028, 055
Panasonic	364, 367, 262, 209, 210, 211, 212, 206, 207, 208, 176, 187, 184
Pentax	069, 036, 181
Philco	176
Philips	176, 185, 188
Pilot	029
Pioneer	058, 182
Portland	175
Pulsar	080
Proscan	179
Quartz	034
Quasar	262, 209, 212, 207, 176, 187, 186
Radio Shack TV/VCR Combo	029
RCA	317, 318, 320, 322, 323, 324, 206, 192, 190, 179, 181, 184, 176, 036, 069,
Realistic	029, 050, 178, 204, 176, 034, 035, 028, 055
Ricoh	042
Samsung	330, 050, 002, 051
Sansui	182, 072, 061, 074
Sanyo	034, 035, 055
Scott	191, 189, 009, 002
Sears	176, 270, 035, 034, 031, 029, 036, 028, 055, 069
Sharp	258, 178
Shintom	030
Sony	176, 041, 042, 040, 173, 043, 038
STS	036
Sylvania	176, 177
Symphonic	331, 204
Tandy	204
Tashiko	026
Tatung	072

Teac	204, 072
Technics	176
Teknika	029, 176, 204, 056
TMK	053
Toshiba	002, 177, 028, 009
Totevision	050, 029
Unitech	050
Vector Research	033, 027
Victor	084, 182
Video Concepts	033, 073
Videosonic	050
M. Ward	036, 176, 178, 204, 035, 030, 190, 009, 050
Yamaha	027, 072
Zenith	080, 042, 041, 029

Cable Box Device Codes	
Cable Box Manufacturer	**Cable Box Device Code**
ABC	091, 096, 088, 093
Antronix	241
Archer	227, 271, 241, 111
Century	111
Citizen	111
Comtronics	106, 045
Eagle Comtronics	045
Eastern	086
Electricord	004
GC Electronics	063
Gemini	064, 068, 095, 116
General Instruments	362, 350, 325, 305, 249, 251, 272, 094, 091, 087, 095, 100, 101, 104, 108, 091, 087, 094
Hamilton	346, 347, 348
Hamlin	118, 119, 085, 090, 103, 311, 312
Hitachi	091
Jasco	111
Jerrold	362, 350, 325, 305, 249, 251, 272, 094, 091, 087, 095, 100, 101, 104, 108, 091, 087, 094
Kingston	111
Macom	003
Memorex Motorola	076 377
Movie Time	004, 112, 113
NSC	112, 113

Oak	088, 097, 007
Panasonic	313, 099, 109
Paragon	076
Philips	238, 239, 252, 253, 300, 106, 102
Pioneer	344, 005, 070, 062
Popular Mech.	400
Pulsar	076
RCA	099
Regal	346, 347, 348, 120, 118, 085, 119
Regency	086
Rembrandt	068
Samsung	045, 005
Scientific Atlanta	314, 089*, 096, 120 See note on page 15.
Signal	045
Signature	091
SL Marx	045
Sprucer	099, 121
Standard Compnt	065
Starcom	095, 087, 104, 108
Stargate	045, 095
Sylvania	082
Tandy	117
Teknika	006
Telecaption	115
Texscan	082, 107
Tocom	310, 093, 092, 105
Toshiba	076
Unika	227, 241, 111
United Artists	088
Universal	241, 227, 271, 066, 004, 044, 111
Viewstar	106, 117, 110, 114
West	111
Zenith	237, 076, 077

DSS Receiver Device Codes	
DSS Manufacturer	**DSS Device Code**
DishNet	376
Hitachi	352
Primestar	322, 329
RCA	320, 327, 365
Sony	321, 328

Working with DSS on Screen Menus	
Remote Key Name	**Screen Menu Function**
REC	Menu
Pause	Select
Play	Menu +
Stop	Menu -
Rew	Menu L
FF	Menu R

DVD Player Device Codes	
DVD Manufacturer	**DVD Device Code**
JVC	354
Mitsubishi	356
Panasonic	335
Pioneer	355
Proscan	339
RCA	339
Sony	351
Toshiba	336

➢ TV / VCR Combo - Program remote using the VCR device code.

➢ *089: Power = Power off
Enter = Power on + Recall

THE FOLLOWING REPLACES & REVISES THE "IR FUNCTIONS" SECTION OF THE IMPERIUM 200H USER MANUAL (PGS. 18-22)

IR Functions

When the unit scans to "ir" (remote control) on the Home Menu, press (>) for the submenu functions to use the Imperium Infrared Remote Control (see Figure 1). These submenus control the TV, VCR, SATELLITE/CABLE, DVD, RADIO AND CD. Press (>) to select the control menu for the desired device.

Note: *Each TV, VCR, SATELLITE/CABLE BOX, DVD, RADIO, and CD should have been programmed on the Imperium Remote Control during system setup (see "Installing the System," No. 10 on page 8 of User Manual). If the Imperum Remote Control is not connected properly or the batteries are dead, the display will read "No Contoller" and the unit will say "Check cable."*

The Imperium Remote Control has been designed to operate most all electronic devices. Certain devices occasionally cannot be fully controlled because of manufacturing uniqueness.

TV Control

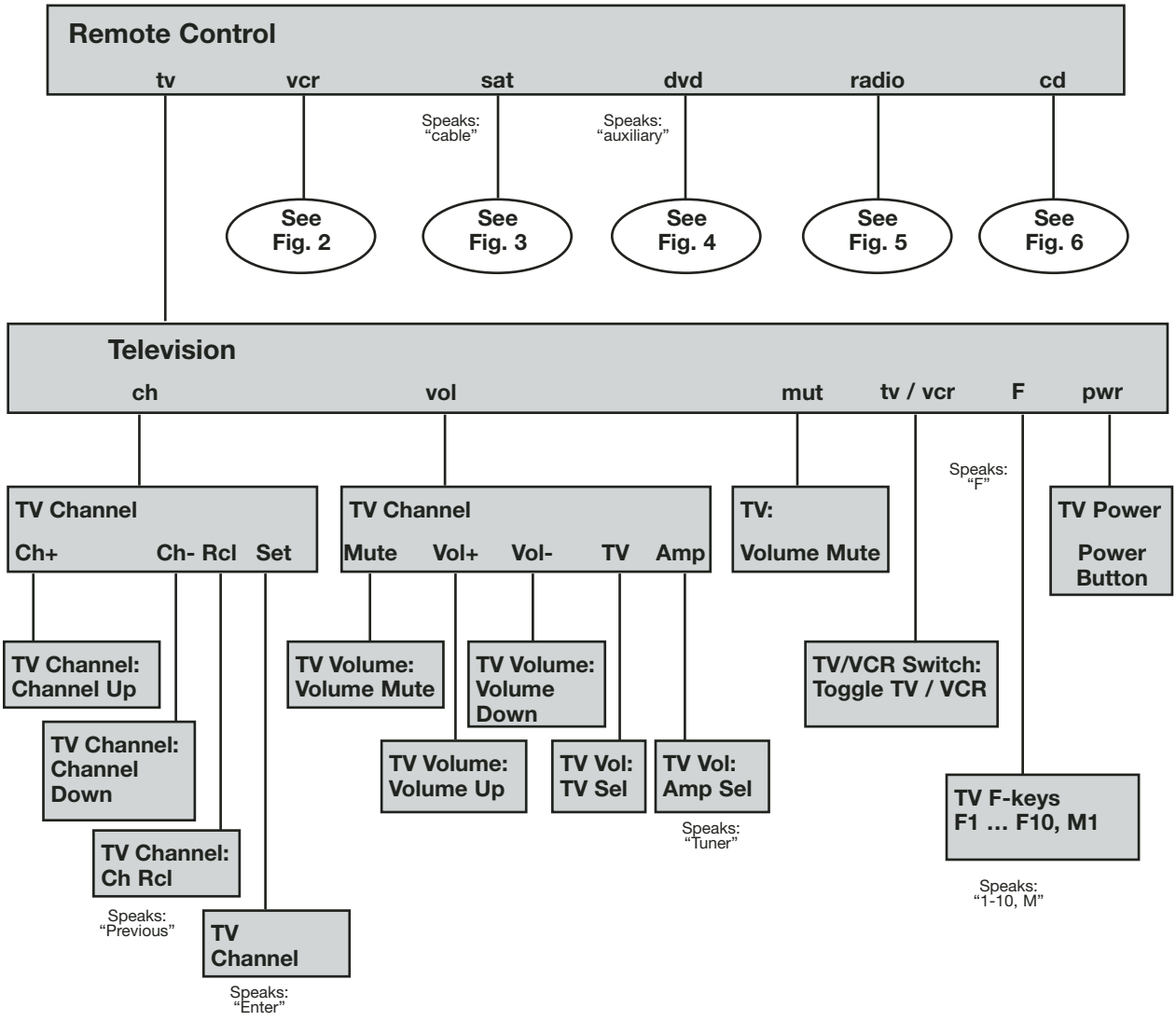

Figure 1. Flowchart of the TV Menu

TV Function - When the "tv" function is selected in the IR Menu, "ch," "vol," "mute," "tv/vcr," "F," and "pwr" are displayed. (See Figure 1.)

1. Press (>) to begin scanning. Press (>) again to select the desired function.
2. Select "ch" to step the channel up or down or to enter a channel number.

3. Select “vol” to increase or decrease the volume.
4. Select “mute” to turn the TV sound on or off.
5. Select “tv/vcr” to toggle between the TV and VCR video sources.
6. Select “F” to access programmable functions.
7. Select “pwr” to turn the TV on or off.

Summary of TV Selection Choices	
Channel Menu	
PWR	
Standby	Not used by most TV’s
0-9	
Enter	
RCL	Return, jump to prior channel
Vol + Vol – Mute	Volume and mute should “punch thru” to TV or AMP/Radio, which ever was used last
Ch +	
Ch –	
TV/VCR	Input source select
F1-F10, M1	Available for user definition

VCR Control

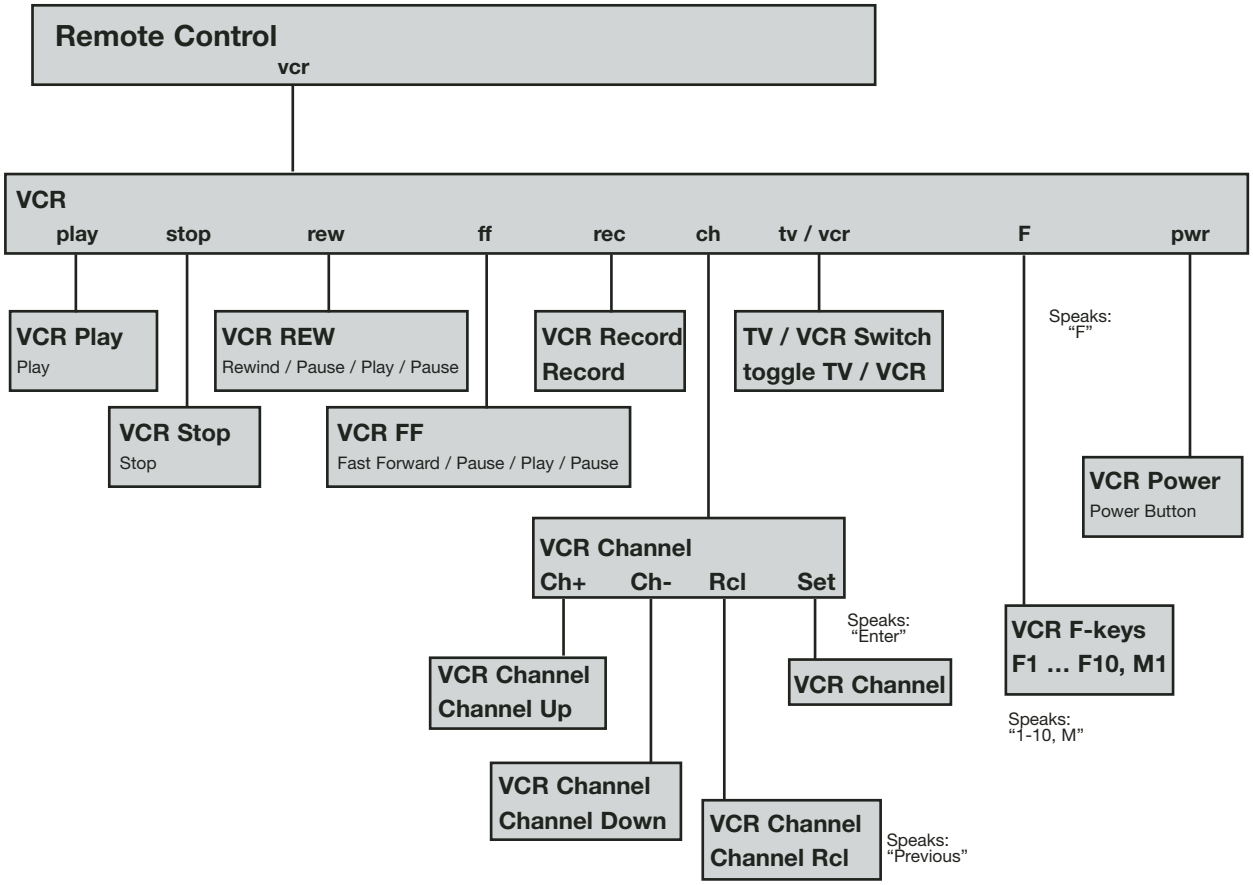

Figure 2. Flowchart of the VCR Menu

VCR Function - When "vcr" is selected from the IR Menu, "play," "stop," "rew," "ff," "rec," "ch," "tv/vcr," "F," and "pwr" are displayed. (See Figure 2.)

1. Press (>) to begin scanning. Press (>) again to select the desired function
2. Select "play" to play or stop the VCR.
3. Select "stop" to stop the VCR.
4. Select "rew" to rewind, stop or play the VCR.
5. Select "ff" to fast forward, stop or play the VCR.
6. Select "rec" to record with the VCR.
7. Select "ch" to enter a specific channel or to step the channel number up and down.
8. Select "tv/vcr" to toggle between the TV and VCR sources.

9. Select “F” to access programmable functions.
10. Select “pwr” to turn the VCR on or off.

Summary of VCR Selection Choices	
Play	
Stop	
Rew	
FF	
Pause	
Record	
TV/VCR	
Channel Menu	
PWR	
Standby	
F1-F10, M1	Available for user definition

Non Dish Net Satellite / Control

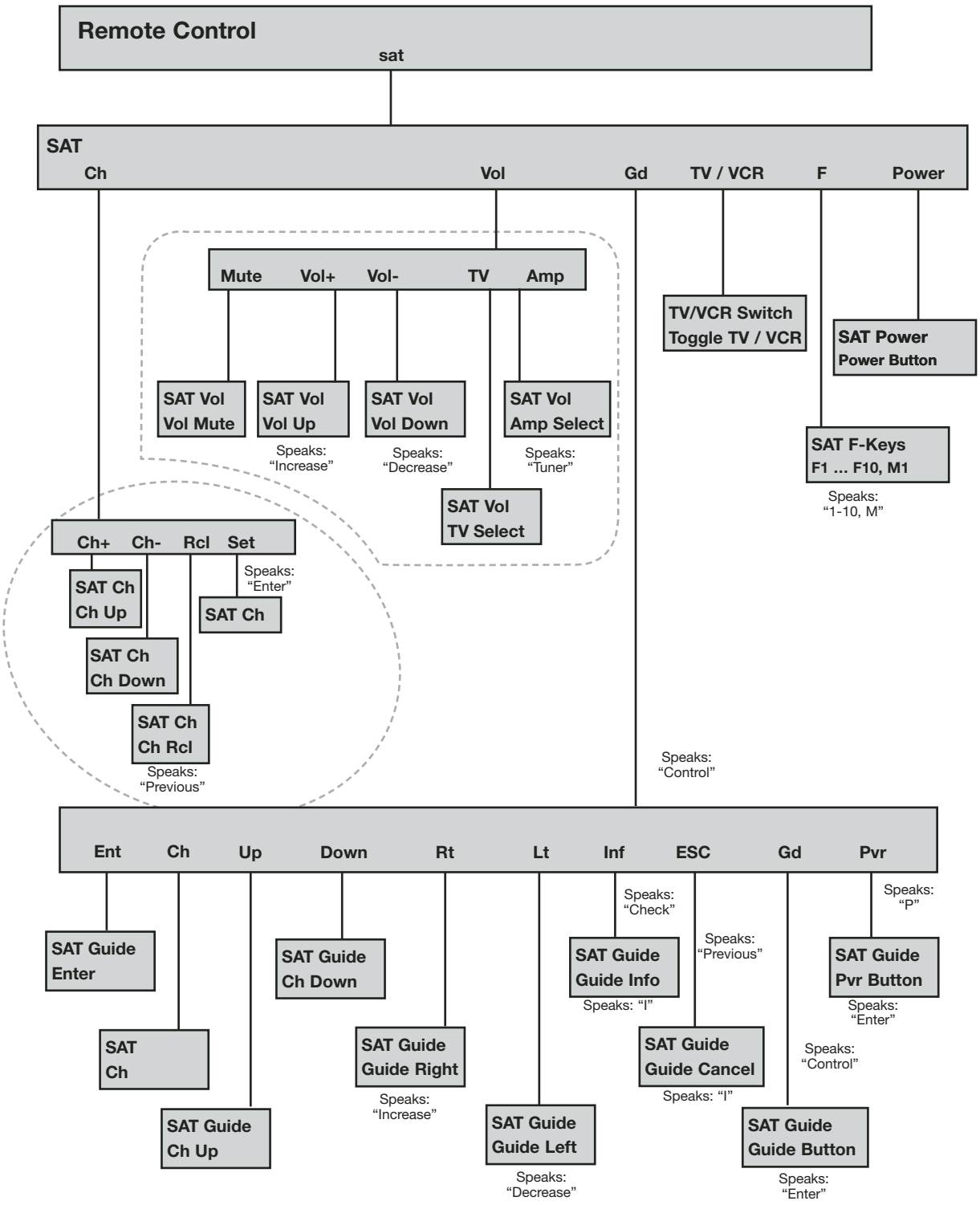

Figure 3. Flowchart of the Cable Box (Non Dish Net Satellite / Control) Menu

Cable Box Function - When “cable” is selected from the IR Menu, “ch,” “vol,” “mute,” “tv/vcr,” and “pwr” are displayed. (See Figure 3.)

1. Press (>) to begin scanning. Press (>) again to select the desired function.
2. Select “ch” to either set a channel number or top step the channel number up or down.
3. Select “vol” to increase or decrease the volume.
4. Select “mute” to turn the sound on or off.
5. Select “tv/vcr” toggle between TV and VCR sources.
6. Select “F” to access programmable functions.
7. Select “pwr” to turn the cable box on or off.

Dish Net Satellite / Cable Box Control

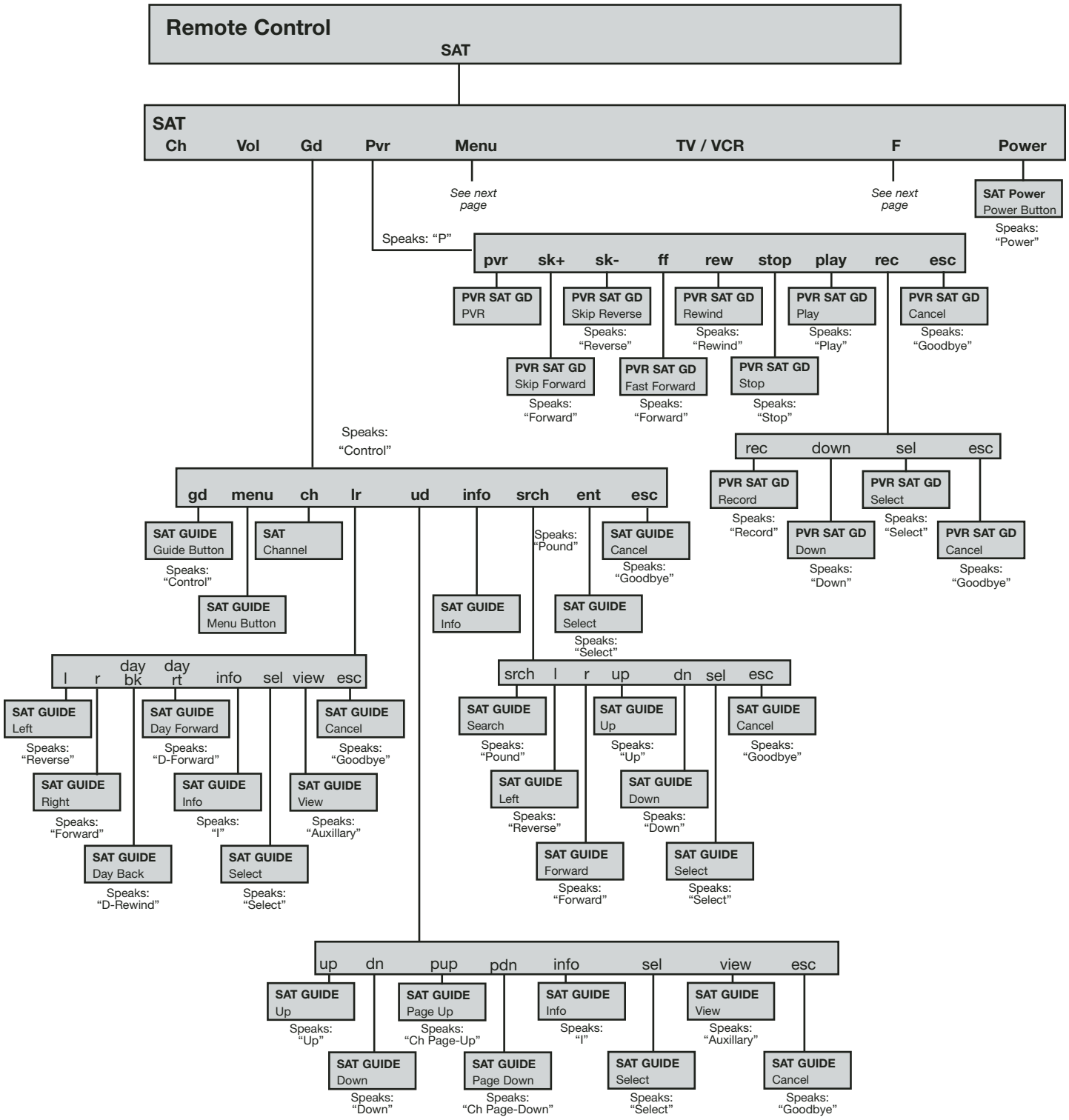

Figure 4. Flowchart of the Cable Box (Dish Net Satellite / Cable Box) Menu

Continued on Next Page

Dish Net Satellite / Cable Box Control *(continued)*

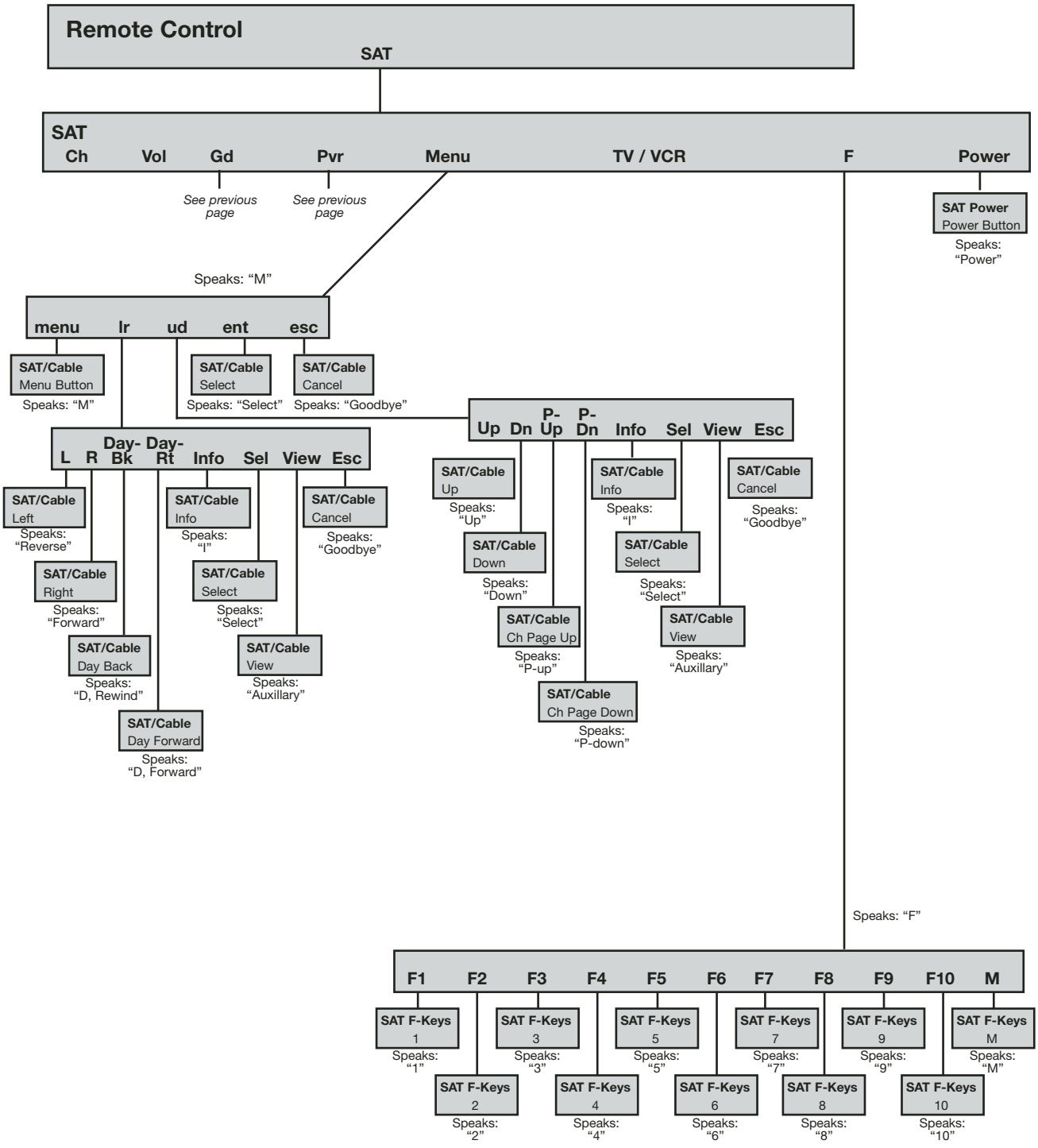

Figure 4. Flowchart of the Cable Box (Dish Net Satellite / Cable Box) Menu *Continued*

DVD Control Dish Net Satellite / Cable Box Control

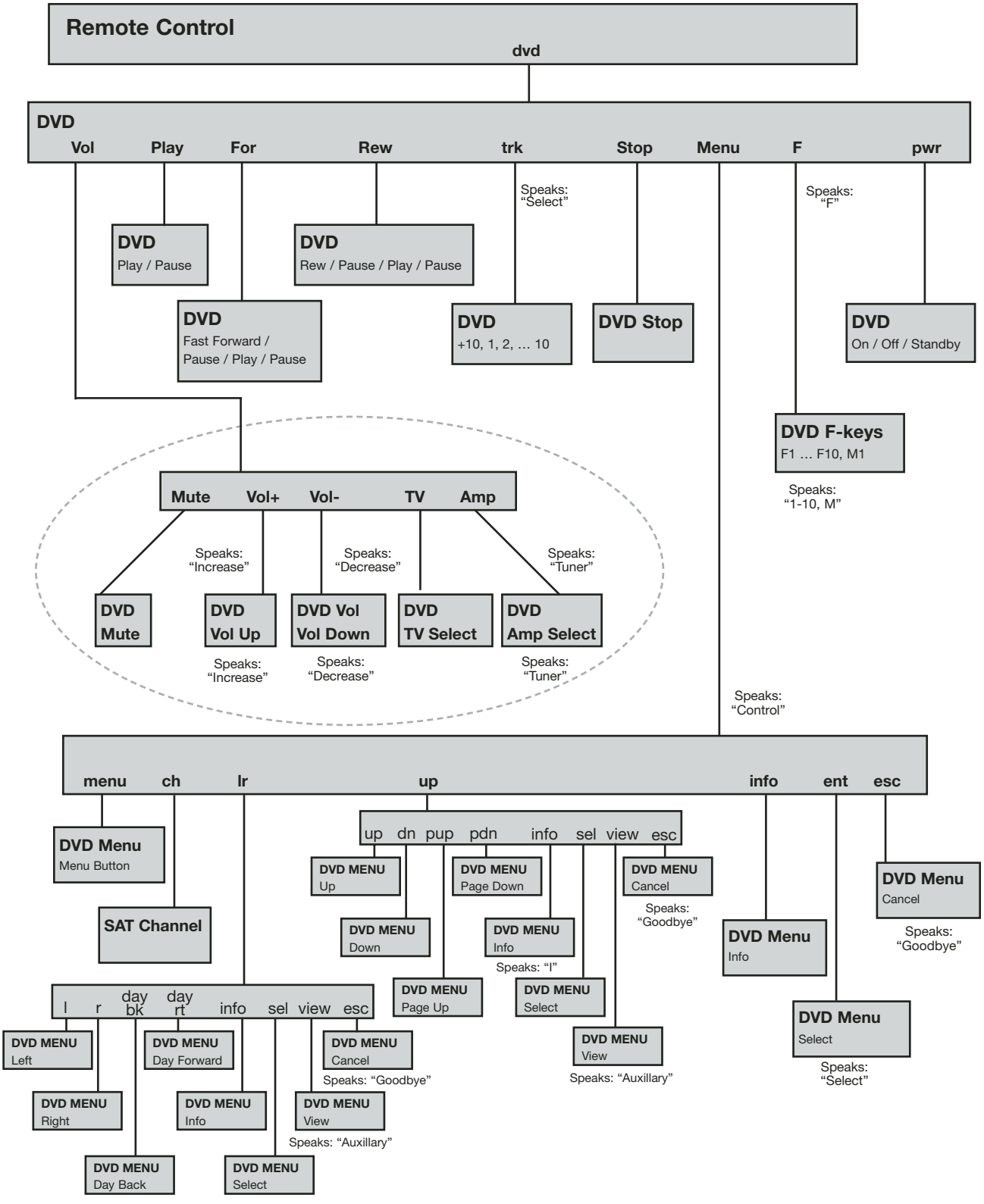

Figure 5. Flowchart of the DVD Menu

DVD Control Non Dish Net Satellite Control

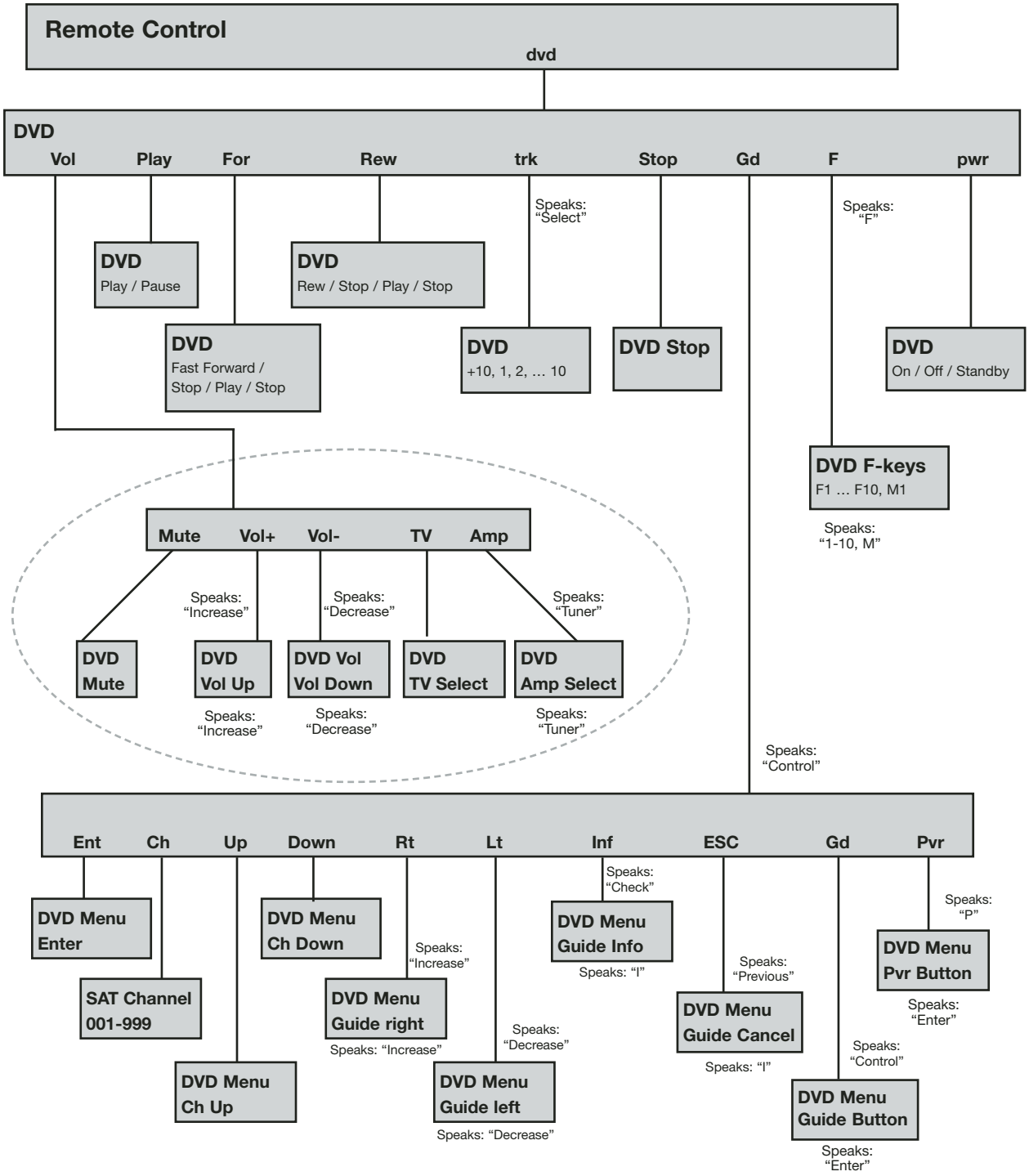

Figure 6. Flowchart of the DVD (Non Dish Net Satellite Control) Menu

DVD Function - When “DVD” is selected from the IR Menu, “vol,” “play,” “for,” “rew,” “trk,” “stop,” “Gd,” “F,” and “pwr” are displayed. (See Figure 5 and 6.)

1. Press (>) to begin scanning. Press (>) again to select the desired function.
2. Select “vol” to increase, decrease or mute the DVD volume.
3. Select “play” to play or pause the player.
4. Select “for” to move forward from the current track.
5. Select “rew” to select a previous track.
6. Select “trk” to enter a specific track number.
7. Select “stop” to stop the player.
8. Select “Gd” to select guide.
9. Select “F” to access programmable functions.
10. Select “pwr” to turn the DVD player on or off.

Dish Net Satellite Cable Box Control Device Code 376

DISH Net (Device code 376)	
Scan Code	Remote Key Name
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	VIEW
11	SELECT
12	RIGHT
13	LEFT
14	UP
15	DOWN
16	BACK(REW)
17	PLAY
18	RWD(FF)
19	REC
20	STOP
21	PAUSE
22	POWER
23	RECALL
24	TV/VIDEO
25	MENU
26	GUIDE
27	INFO
28	CANCEL
29	SKIP_BACK_10_SEC
30	SKIP_FWD_#)_SEC
31	*
32	#
33	PAGE_UP
34	PAGE_DOWN
35	PVR
36	SAT

Dish Net Satellite Motorola Digital Cable 377

Non Dish Net Motorola Digital Cable (377)	
0	0
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10 (Enter)	Enter
11 (Mute)	Mute
12 (Vol+)	Vol +
13 (Vol-)	Vol -
14 (Ch+)	Ch+
15 (Ch-)	Ch-
16 (Rew)	Left
17 (Play)	Up
18 (FF)	Right
19 (Rec)	Rec
20 (Stop)	Stop
21 (Pause)	Down
22 (Power)	Power
23 (RCL)	Last
24 (TV/VCR)	TV/VCR
25 (F1)	Fav
26 (F2)	Lock
27 (F3)	Exit
28 (F4)	Info
29 (F5)	Guide
30 (F6)	Menu
31 (F7)	Page_up
32 (F8)	Page_dn
33 (F9)	Day_back
34 (F10)	Day_forward
35 (M1)	Help

Amplifier / Radio Control

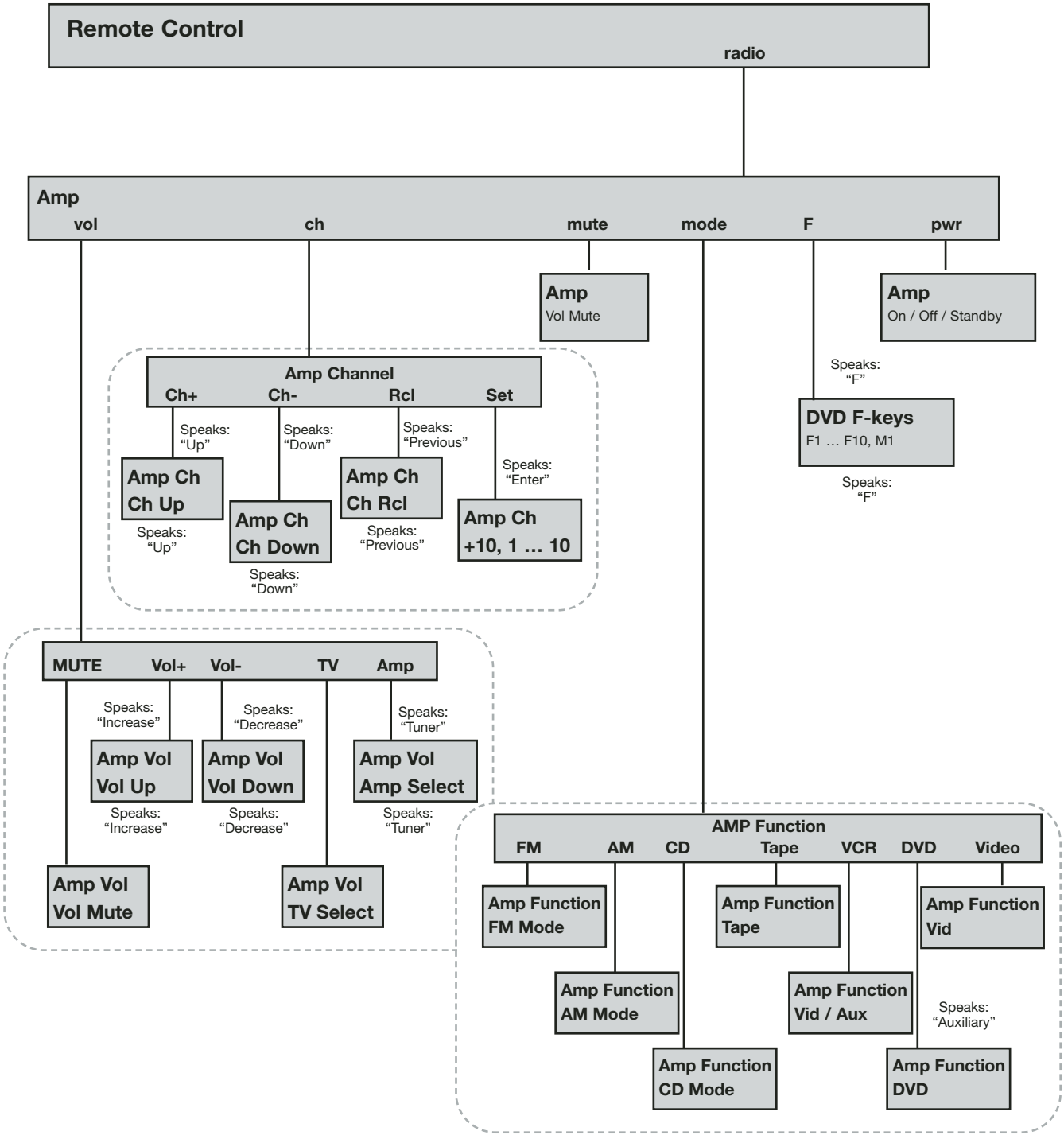

Figure 7. Flowchart of the Radio Menu

Radio Function - When "radio" is selected from the IR Menu, "vol," "ch," "mute," "mode," and "pwr" are displayed. (See Figure 7.)

1. Press (>) to begin scanning. Press (>) again to select the desired function.
2. Select "vol" to increase or decrease the radio volume.
3. Select "ch" to step through preset stations. (Use instructions provided with your radio to program station presets.)
4. Select "mute" to turn the sound on or off.
5. Select "mode" to toggle between AM and FM bands, the CD player, or to set the radio to the"vid/aux" mode.
6. Select "F" to access programmable functions.
7. Select "pwr" to turn the radio on or off.

Summary of Amplifier/Radio Selection Choices	
Vol + Vol – Mute	Volume and mute should "punch thru" to TV or AMP/Radio, which ever was used last.
FM	"F1"
AM	"F2"
CD	"F3"
Tape	"F4"
VCR	"F5"
DVD	"F6"
Vid	"F7"
F8 – F10, M1	Available for user definition
PWR	
Standby	

CD Player Control

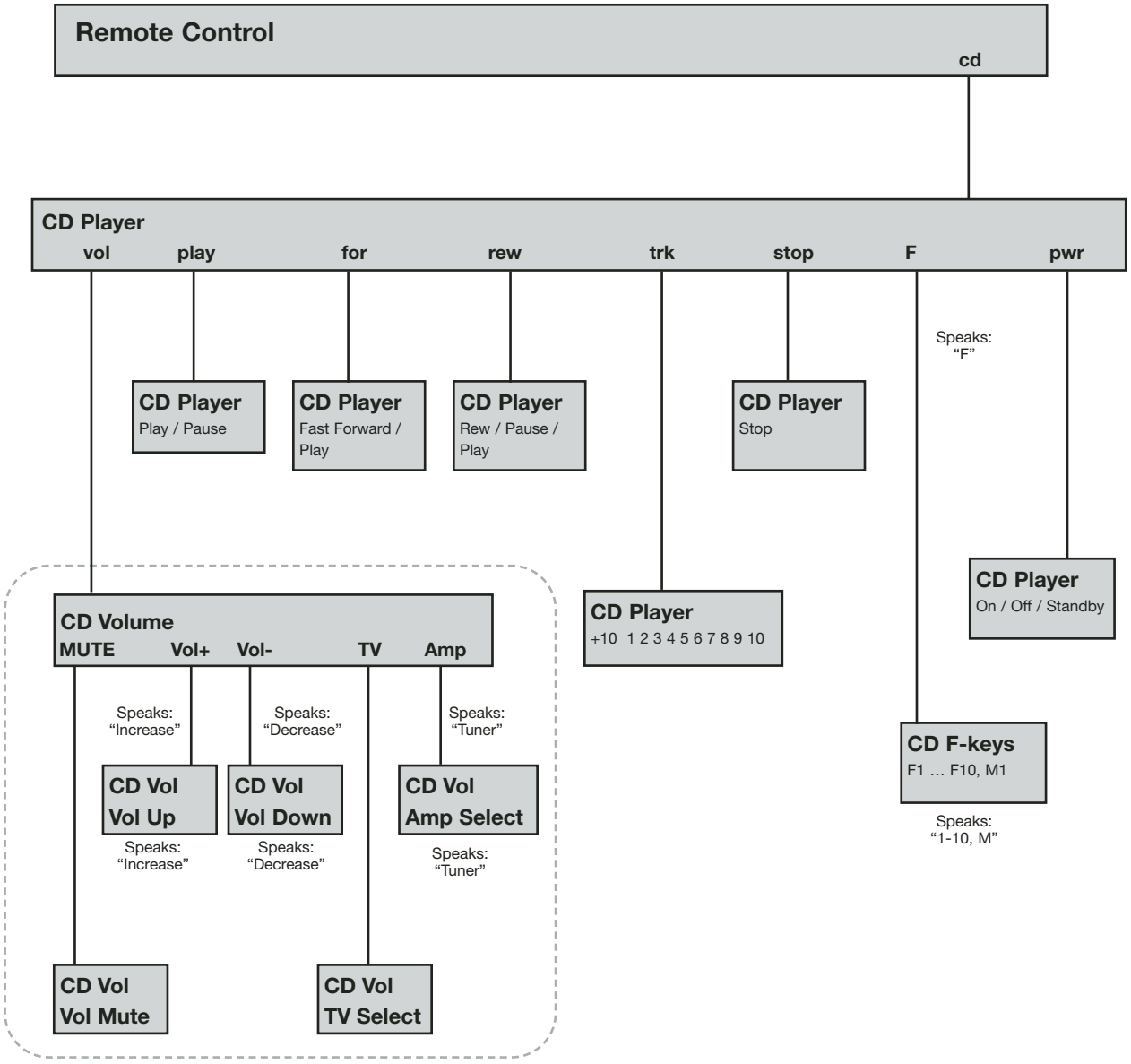

Figure 8. Flowchart of the CD Menu

CD Function – When "cd" is selected from the IR Menu, "vol," "play," "for," "rew," "trk," and "stop" are displayed. (See Figure 8.)

1. Press (>) to begin scanning. Press (>) again to select the desired function.
2. Select "vol" to increase, decrease, or mute the CD volume.
3. Select "play" to play or pause the player.
4. Select "for" to move forward from the current track.
5. Select "rew" to select a previous track.
6. Select "trk" to enter a specific track number.
7. Select "stop" to stop the player.
8. Select "F" to access programmable functions.
9. Select "pwr" to turn the CD player on or off.

Summary of CD Player Selection Choices	
PWR	
Standby	
Play	
Rew	
FF	
Stop	
Pause	
0 – 9 and +10	+10 is on the M1 key
F1 – F10	Available for user definition

IF UPGRADING FROM THE ONE-FOR-ALL SIX INFRARED REMOTE CONTROL

If your Imperium Infrared Remote Control is an upgrade from the One-For-All Six Infrared Remote Control originally included with your Imperium 200H system, please take note of the changes/improvements in the new IR remote control.

Trainable: Learns IR Codes From Other Remote Controls

The Imperium IR Remote Control is "trainable." As with the One-For-All Six, it has a built-in library of command codes for many popular consumer electronic devices also (code list begins on page 9). By being trainable, also, it can "learn" most IR codes directly from the IR remote which came with your television or other electronic device. (For instructions, see "Learning Codes From Existing Remote Controls" beginning on page 5 of this manual.)

Pressing Buttons: Automatic Presses

As you know from past experience, through its IR control menus the Imperium 200H electronically "pushes the buttons" for the user on the IR remote control.

In a few instances with the Imperium IR Remote Control, when you enter a menu the system automatically pushes an appropriate button for the user – such as the device buttons: TV, DVD, SAT, CD, VCR, AMP. The system knows that when you enter a given menu the corresponding device button needs pushing – and it does it automatically!

Pressing Buttons: Prolonged Presses

The IR controller will hold a button as long as the user holds the input switch or for 10 seconds, whichever comes first. (The exception is for multi-digit channel entry, where each button is held for 1/10 of a second.) By continuously holding the IR transmission as long as the user holds the switch, one has much better control over volume settings and other stepping functions.

New Button Functionality

New buttons were added to the Imperium IR Remote Control which were not available on the One-For-All Six.

- The addition of a "Standby button" function on the new Imperium IR Remote Control. (Newer audio devices often have both a "Power" button and a "Standby" button. The Power button only turns the device **on**, not off; Standby is used to turn it **off**.)
- The new controller has a row of F-keys (function keys). Some of these keys are expected to perform certain functions depending upon what device you are controlling. More details are within this manual's section on each device.
- Some menu buttons – such as many of the Satellite/Cable functions – are actually on an F-key, yet we also provide an F-key menu in all devices so you can access additional device functions previously unavailable to the user.

- If an F-key isn't preassigned to do something else, you can assign a function to it. Similarly, you can even reassign any key which has a preassigned device-specific function. Doing so will only lose whatever default function the key previously performed.

Power and Standby Buttons

In some cases, there are keys on the IR controller which do not perform a particular function for a particular electronic device because the device doesn't use that function. For example, some radios use a single Power button to toggle the radio On and Off. Other radios may use a Power button to turn the radio On, but require a Standby button to turn the radio Off (Standby mode). If your radio uses a single Power button, it won't need the Standby button on the Imperium IR Remote Control – and won't recognize any signal if the Standby button were to be pressed.

On the other hand, if your radio does need both a Power and Standby command, the Imperium IR Remote Control accommodates it. In the Imperium 200H's AMP/Radio menu, the Power function rolls between the Power button on first press … Standby on second press … and back to Power for the third press.

If your radio does not need the Standby command, we recommend you assign the Power function to the Standby button as well as to the Power button. (For instructions on how to "train" or assign a command to a button on the Imperium IR Remote, see "Learning Codes From Existing Remote Controls" beginning on page 5 of this manual.)

A note about how the Text Display treats this difference. If you need both Power and Standby functions, the Text Display shows both; it displays "On/Off" for the Power function and "Standby" for the Standby function. If you do not need the Standby function and choose to train the Standby menu item to be a second Power function bear in mind that the Text Display screen will still read "Standby" (not "On/Off").

Unassigned Buttons

If you attempt to press a button on the IR controller via the Imperium 200H menu but the controller doesn't have a function assigned for that button (e.g., Standby discussion above), the Imperium 200H ECU will beep and speak the name of the function you are pressing. If you can see the IR controller, you will notice that its LED does not illuminate when an unassigned button is "pressed." This is normal operation.

Button Assignments

These are the buttons used by the Imperium 200H for each device. These are the buttons you need to "Learn" into the IR controller if a built-in library code doesn't work well for you. For example, if your brand of television doesn't fully work with any of that brand's TV codes listed in the book, use the one which works best; then use the "Learn" function to correct the buttons which did nothing or did the wrong thing.

Guide Menu
(common to DVD and SAT/Cable)

Function	Spoken	Key
Enter	Enter	"ENTER"
Channel Menu	Channel	Enters new menu
Up	Up	"CH +"
Down	Down	"CH –"
Info	Check	"F1"
Pvr	P	"F3"
Left	Decrease	"F6"
Right	Increase	"F7"
Cancel	Previous	"F8"
Guide	Controls	"F9"

Pvr = personal video recorder

Batteries & Power

The One-For-All Six Infrared Remote Control required alkaline batteries to operate. In contrast, the Imperium Infrared Remote Control receives power from the host Imperium 200H unit, if it is the newer model. Note that the newer models are functionally like the earlier units; cosmetically they have a different rear panel. The newer rear panels are in color and have serial numbers beginning with 200H. Therefore, you can program and use the Imperium Infrared Remote Control without batteries, if it is plugged into a newer unit.

You may want to install batteries in the Imperium Remote Control and take it to the store to verify it properly controls any electronic device you are considering buying. The Imperium remote works with most manufacturers' IR controlled devices; only a few are known to have programming difficulty.

Tash Inc.
3512 Mayland Court
Richmond VA 23233
Service 1-800-944-8002 Sales 1-800-463-5685
www.tashinc.com tashinc@aol.com